Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: D. Brian Ballard

GENERAL INFORMATION:

Name:	Toyota Motor Manufacturing Kentucky, Incorporated
Address:	1001 Cherry Blossom Way, Georgetown, KY 40324
Date application received:	August 15, 2007
SIC/Source description:	3711/Automobile Assembly
EIS #:	21-209-00030
Source A.I. #:	7998
Activity #:	APE20070001
Permit number:	V-04-027 (Revision 3)

APPLICATION TYPE/PERMIT ACTIVITY:

[ ] Initial issuance	[ ] General permit
[X] Permit modification	[ ] Conditional major
__Administrative	[X] Title V
X Minor	[ ] Synthetic minor
__Significant	[ ] Operating
[ ] Permit renewal	[X] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance [ ] Compliance schedule included

[X] Compliance certification signed

APPLICABLE REQUIREMENTS LIST:

[ ] NSR	[X] NSPS	[X] SIP
[X] PSD	[X] NESHAPS	[ ] Other
[ ] Netted out of PSD/NSR	[ ] Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

[ ] Acid rain source
[ ] Source subject to 112(r)
[ ] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[X] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[X] Certified by responsible official
[X] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

TABLE 1- Actual and Potential Source-wide Criteria Pollutant Emissions

POLLUTANTS	ACTUAL (TPY)	V-04-027 (REVISION 1) PTE (TPY)	V-04-027 (REVISION 2) PTE (TPY)	V-04-027 (REVISION 3) PTE (TPY)
CO (CARBON MONOXIDE)	26	448	607	607
NO_2 (NITOROGEN DIOXIDE)	30	518	708	708
PM_{10} (PARTICULATE MATTER < 10 MICRONS)	160	385	311	311
PT (PARTICULATE MATTER)	160	385	311	311
SO_2 (SULFUR DIOXIDE)	0.25	5.2	6.3	6.3
VOC (VOLATILE ORGANIC COMPOUNDS)	1,704	6,277	5,905	5906

Comments:

Permit V-04-027 (Revision 3) addresses the installation of a new engine machining and assembly line in the existing Power Train shop. The potential to emit of VOC for the new project will be 34.4 tons of VOC per year. The permittee will continue to meet the existing pound per job emission limits for all affected facilities and the twelve month rolling total VOC emission limit of 182.4 tons for the Power Train shop.

EMISSIONS SUMMARY (CONTINUED):
TABLE 2- Actual and Potential Source-wide HAP Emissions

POLLUTANT	CAS NO.	ACTUAL (TPY)	POTENTIAL (TPY)
Benzene	71-43-2	0.9	1.2
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	8.6	10.4
Chlorobenzene	108-90-7	3.6	3.9
Cumene	98-82-8	27.3	34.5
Ethyl benzene	100-41-4	310	368
Ethylene glycol	107-21-1	127	149
Formaldehyde	50-00-0	42.3	48.8
Hexane*	110-54-3	17.4	31.4
Methanol	67-56-1	281	353
Methyl chloroform (1,1,1-trichloroethane)	71-55-6	0.22	0.27
Methyl isobutyl ketone	108-10-1	294	390
Methylene diphenyl diisocyanate (MDI)	101-68-8	1.57	1.71
Naphthalene	91-20-3	109	118
Phthalic anhydride	85-44-9	5.25	6.16
Styrene	100-42-5	72.6	79.0
Toluene	108-88-3	629	755
Triethylamine	121-44-8	15.6	15.8
Xylenes (isomers and mixture)	1330-20-7	1134	1362

The potential to emit values for Hazardous Air Pollutant (HAP) emissions listed above are based on the air toxics modeling report included with the 2004 Title V permit application. The potential to emit values listed above consider VOC emission limits where applicable. *Hexane emissions are not based on the aforementioned data. Potential hexane emissions have been updated to reflect the hexane emitted from natural gas combustion.

EMISSION AND OPERATING CAPS:
No Changes

OPERATIONAL FLEXIBILITY: N/A

SOURCE PROCESS DESCRIPTION:
See Statement of Basis